

VIA HAND DELIVERY FEBRUARY 5, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ruben et al.

Atty. Docket No.: PZ006G13AP1C1D1

Application Number: Unassigned

Group Art Unit: Unassigned

Filed: Herewith

Examiner: Unassigned

Title: 32 Human Secreted Proteins

ASSOCIATE POWER OF ATTORNEY

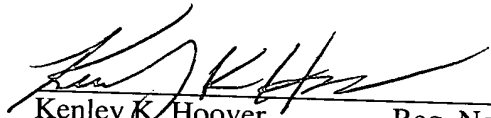
Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned attorney of record hereby appoints the Practitioners at Customer Number **22195** as associate attorneys/agents to prosecute the application identified above, including any continuation or divisional applications, and to transact all business in the United States Patent and Trademark Office connected therewith.

Respectfully submitted,

Date: February 5, 2002


Kenley Hoover Reg. No. 40,302
Attorney for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (301) 610-5771

JMM/CEW/ba/mlm

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, **Steven M. Ruben; Craig A. Rosen; Kenneth C. Carter; Patrick J. Dillon; Gregory A. Endress; Guo-Liang Yu; Jian Ni and Ping Feng**, hereby sell(s), assign(s) and transfer(s) to Human Genome Sciences, Inc. ("Assignee") having a place of business at 9410 Key West Avenue, Rockville, MD 20850, its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

32 Human Secreted Proteins

for which application for United States Letters Patent was filed on **November 10, 1998**, and assigned **Serial No. 09/189,144**, and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants the power to A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: _____ Date: _____
Steven M. Ruben

Inventor's Signature: _____ Date: _____
Craig A. Rosen

ASSIGNMENT

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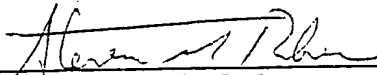
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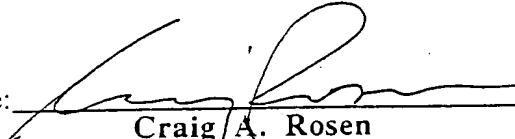
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IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature:  Date: 5/11/99
Steven M. Ruben

Inventor's Signature:  Date: 5/11/99
Craig A. Rosen

Inventor's Signature: _____ Date: _____
Kenneth C. Carter

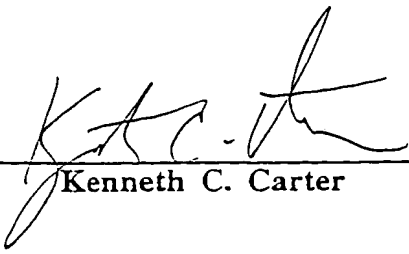
Inventor's Signature: _____ Date: _____
Patrick J. Dillon

Inventor's Signature: _____ Date: _____
Gregory A. Endress

Inventor's Signature: _____ Date: _____
Guo-Liang Yu

Inventor's Signature: _____ Date: 5/13/99
Jian Ni

Inventor's Signature: _____ Date: 5/24/99
Ping Feng

Inventor's Signature:  Date: 6/5/99
Kenneth C. Carter

Inventor's Signature: _____ Date: _____
Patrick J. Dillon

Inventor's Signature: _____ Date: _____
Gregory A. Endress

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Guo-Liang Yu

Inventor's Signature: _____ Date: _____
Jian Ni

Inventor's Signature: _____ Date: _____
Ping Feng

Human Genome Sciences, Inc.
9410 Key West Avenue, Rockville, Maryland, 20850
Tel: 301-309-8504 Fax: 301-309-8439

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Craig A. Rosen

Inventor's Signature: _____ Date: _____

Inventor's Signature: [Signature] Date: 06/13/97

Inventor's Signature: _____ Date: _____

Inventor's Signature: _____ Date: _____

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Inventor's Signature: Gregory A. Endress Date: 6/3/99
Gregory A. Endress

Inventor's Signature: Guo-Liang Yu Date: _____

Inventor's Signature: Jian Ni Date: _____

Inventor's Signature: Ping Feng Date: _____

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Craig A. Rosen

Inventor's Signature: Kenneth C. Carter Date: _____

Inventor's Signature: Patrick J. Dillon Date: _____

Inventor's Signature: Gregory A. Endress Date: _____

Inventor's Signature: Guo-Liang Yu Date: 7/23/99

Inventor's Signature: Jian Ni Date: _____

Inventor's Signature: Ping Feng Date: _____

Human Genome Sciences, Inc.
9410 Key West Avenue, Rockville, Maryland, 20850
Tel: 301-309-8504 Fax: 301-309-8439

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on **November 10, 1998** as Application Serial No. **09/189,144**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868

(Application Serial No.)

May 28, 1998

(Filing Date)


pending

(Status: patented, pending, abandoned)

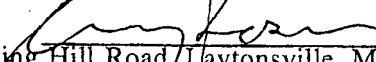
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Steven M. Ruben

Inventor's signature:  Date: 5/11/98
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Craig A. Rosen

Inventor's signature:  Date: 5/10/99
Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: _____ Date: _____
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Patrick J. Dillon

Inventor's signature: _____ Date: _____
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US
Post Office Address: same as above

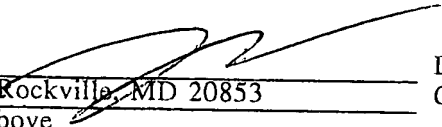
Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: _____ Date: _____
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: _____ Date: _____
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN
Post Office Address: same as above

Full name of first joint inventor: Jian Ni

Inventor's signature: 

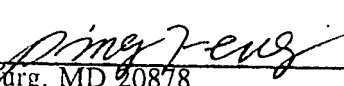
Residence: 5502 Manorfield Road, Rockville, MD 20853

Post Office Address: same as above

Date: 5/10/99

Citizenship: CN

Full name of additional joint inventor: Ping Feng

Inventor's signature: 

Residence: 4 Relda Court, Gaithersburg, MD 20878

Post Office Address: same as above

Date: 5/24/99

Citizenship: CN US

305030 15939007

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PCT/US98/10868 May 28, 1998 pending
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As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868

(Application Serial No.)

May 28, 1998

(Filing Date)

pending

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Steven M. Ruben

Inventor's signature: _____ Date: _____
Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Craig A. Rosen

Inventor's signature: _____ Date: _____
Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Kenneth C. Carter

Inventor's signature: _____ Date: _____
Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Citizenship: US
Post Office Address: same as above

Full name of first joint inventor: Patrick J. Dillon

Inventor's signature: Patrick J. Dillon Date: 06/13/99
Residence: 1055 Snipe Court, Carlsbad, CA 92009 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Gregory A. Endress

Inventor's signature: _____ Date: _____
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Guo-Liang Yu

Inventor's signature: _____ Date: _____
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN
Post Office Address: same as above

Full name of first joint inventor: Jian Ni

Inventor's signature:

Residence: 5502 Manorfield Road, Rockville, MD 20853

Date:

Citizenship: CN

Post Office Address: same as above

Full name of additional joint inventor: Ping Feng

Inventor's signature:

Residence: 4 Relda Court, Gaithersburg, MD 20878

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Full name of first joint inventor:

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Date:

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Citizenship: US

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Craig A. Rosen

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Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882

Date:

Post Office Address: same as above

Citizenship: US

Full name of additional joint inventor:

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Inventor's signature:

Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878

Date:

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Inventor's signature:

Residence: 1055 Snipe Court, Carlsbad, CA 92009

Date:

Post Office Address: same as above

Citizenship: US

Full name of additional joint inventor:

Gregory A. Endress

Inventor's signature:

Residence: 9729 Clagett Farm Drive, Potomac, MD 20954-20857

Date:

Post Office Address: same as above

Citizenship: US

Full name of additional joint inventor:

Guo-Liang Yu

Inventor's signature:

Residence: 242 Gravatt Dr., Berkeley, California 94705

Date:

Post Office Address: same as above

Citizenship: CN

Full name of first joint inventor: Jian Ni

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PCT/US98/10868 May 28, 1998 pending
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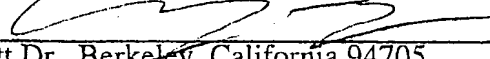
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Inventor's signature:  Date: 7/23/99
Residence: 242 Gravatt Dr., Berkeley, California 94705 Citizenship: CN
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Full name of additional joint inventor: Ping Feng

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305020-15829001

Human Genome Sciences, Inc.
9410 Key West Avenue, Rockville, Maryland, 20850
Tel: 301-309-8504 Fax: 301-309-8439

08-10-1999

7-30-99

RECO



To the Honorable
Please record the attached original documents or copy thereof.

101111542

marks.

1. Name of conveying party(ies):

- Steven M. Ruben Executed on: May-11-99
- Craig A. Rosen Executed on: May-10-99
- Kenneth C. Carter Executed on: Jun-05-99
- Patrick J. Dillon Executed on: Jun-13-99
- Gregory A. Endress Executed on: Jun-03-99
- Guo-Liang Yu Executed on: Jul-23-99
- Jian Ni Executed on: May-13-99
- Ping Feng Executed on: May-24-99

3. Additional name(s) of conveying party(ies) attached?

Yes ☐ No ☒

Nature of conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

2. Name and address of receiving party(ies):

Name: Human Genome Sciences, Inc.
Street Address 9410 Key West Avenue
City Rockville, Maryland 20850

Additional name(s) attached?

Yes ☐ No ☒



4. Title 32 Human Secreted Proteins

5. Application number (s) or patent numbers (s)

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s)

09/189,144 Filed: Nov-10-98

B. Patent No.

Additional numbers attached?

Yes ☐ No ☒

6. Name and address of party to whom correspondence concerning documents should be mailed:

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, Maryland 20850
Telephone: 301-309-8504 Facsimile: 301-309-8439

7. Total of applications and patents involved 1

8. Total Fee (37 CFR 3.41) \$40.00

- ☐ Enclosed (By check in total of filing fee and Assignment Recordation Fee)
☒ Authorized to be charged to Deposit Account

9. Deposit Account No. 08-3425 (Attached duplicated copy of this page if paying by deposit account)

10. If any additional fees due in connection with the recordation of this Assignment, please charge the same to Deposit No. 08-3425

11. Statement and Signature

The best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kenley K. Hoover

Name of Person Signing
Registration No. 40,302

Signature

July 30, 1999
Date



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 06, 1999

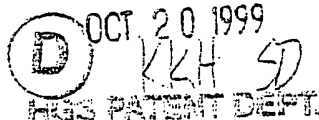
HUMAN GENOME SCIENCES, INC.
KENLEY K. HOOVER
9410 KEY WEST AVENUE
ROCKVILLE, MD 20850

PTAS

RECEIVED



101111542A



P2006 P1

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/30/1999

REEL/FRAME: 010143/0795
NUMBER OF PAGES: 11

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RUBEN, STEVEN M.

DOC DATE: 05/11/1999

ASSIGNOR:

ROSEN, CRAIG A.

DOC DATE: 05/10/1999

ASSIGNOR:

CARTER, KENNETH C.

DOC DATE: 06/05/1999

ASSIGNOR:

DILLON, PATRICK J.

DOC DATE: 06/13/1999

ASSIGNOR:

ENDRESS, GREGORY A.

DOC DATE: 06/03/1999

ASSIGNOR:

YU, GUO-LIANG

DOC DATE: 07/23/1999

ASSIGNOR:

NI, JIAN

DOC DATE: 05/13/1999

010143/0795 PAGE 2

ASSIGNOR:
FENG, PING

DOC DATE: 05/24/1999

ASSIGNEE:
HUMAN GENOME SCIENCES, INC.
9410 KEY WEST AVENUE
ROCKVILLE, MARYLAND 20850

SERIAL NUMBER: 09189144
PATENT NUMBER:

FILING DATE: 11/10/1998
ISSUE DATE:

SEDLEY PYNE, PARALEGAL
ASSIGNMENT DIVISION
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